

# SEQUENCE LISTING

<110> Bristol-Myers Suibb Company

<120> Novel Drosophila Tumor Necrosis Factor Class Molecule ("DmTNF") and Variants Thereof

<130> D0016.np

<150> 60/190,816

<151> 2000-03-21

<160> 65

<170> PatentIn version 3.0

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Ala Ala His Phe His Leu Ser Ser Arg Arg Arg His Gln Glu Ser Met  
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Cys Leu Asn Thr Val Pro Thr Asn Met Pro His Lys Val His Thr Cys  
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<212> PRT

<213> Drosophila melanogaster

<400> 7

Met Arg Arg Ala Ser Arg Asp Tyr Thr Lys Tyr Leu Arg Gly Ser Glu  
1 5 10 15

Glu Met Gly Gly Gly Pro Gly Ala Pro His Glu Gly Pro Leu His Ala  
20 25 30

Pro Pro Pro Pro Ala Pro His Gln Pro Pro Ala Ala Ser Arg Ser Met  
35 40 45

Phe Val Ala Leu Leu Gly Leu Gly Leu Gly Gln Val Val Cys Ser Val  
50 55 60

Ala Leu Phe Phe Tyr Phe Arg Ala Gln Met Asp Pro Asn Arg Ile Ser  
65 70 75 80

Glu Asp Gly Thr His Cys Ile Tyr Arg Ile Leu Arg Leu His Glu Asn  
85 90 95

Ala Asp Phe Gln Asp Thr Thr Leu Glu Ser Gln Asp Thr Lys Leu Ile  
100 105 110

Pro Asp Ser Cys Arg Arg Ile Lys Gln Ala Phe Gln Gly Ala Val Gln  
115 120 125

Lys Glu Leu Gln His Ile Val Gly Ser Gln His Ile Arg Ala Glu Lys  
130 135 140

Ala Met Val Asp Gly Ser Trp Leu Asp Leu Ala Lys Arg Ser Lys Leu  
145 150 155 160

Glu Ala Gln Pro Phe Ala His Leu Thr Ile Asn Ala Thr Asp Ile Pro



Gln Gln Pro Leu Glu Pro Gly Glu Ala Ala Leu His Ser Asp Ser Gln  
 115 120 125

Asp Gly His Gln Met Ala Leu Leu Asn Phe Phe Phe Pro Asp Glu Lys  
 130 135 140

Pro Tyr Ser Glu Glu Glu Ser Arg Arg Val Arg Arg Asn Lys Arg Ser  
 145 150 155 160

Lys Ser Asn Glu Gly Ala Asp Gly Pro Val Lys Asn Lys Lys Lys Gly  
 165 170 175

Lys Lys Ala Gly Pro Pro Gly Pro Asn Gly Pro Pro Gly Pro Pro Gly  
 180 185 190

Pro Pro Gly Pro Gln Gly Pro Pro Gly Ile Pro Gly Ile Pro Gly Ile  
 195 200 205

Pro Gly Thr Thr Val Met Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly  
 210 215 220

Pro Gln Gly Pro Pro Gly Leu Gln Gly Pro Ser Gly Ala Ala Asp Lys  
 225 230 235 240

Ala Gly Thr Arg Glu Asn Gln Pro Ala Val Val His Leu Gln Gly Gln  
 245 250 255

Gly Ser Ala Ile Gln Val Lys Asn Asp Leu Ser Gly Gly Val Leu Asn  
 260 265 270

Asp Trp Ser Arg Ile Thr Met Asn Pro Lys Val Phe Lys Leu His Pro  
 275 280 285

Arg Ser Gly Glu Leu Glu Val Leu Val Asp Gly Thr Tyr Phe Ile Tyr  
 290 295 300

Ser Gln Val Glu Val Tyr Tyr Ile Asn Phe Thr Asp Phe Ala Ser Tyr  
 305 310 315 320

Glu Val Val Val Asp Glu Lys Pro Phe Leu Gln Cys Thr Arg Ser Ile  
 325 330 335

Glu Thr Gly Lys Thr Asn Tyr Asn Thr Cys Tyr Thr Ala Gly Val Cys  
 340 345 350

Leu Leu Lys Ala Arg Gln Lys Ile Ala Val Lys Met Val His Ala Asp  
 355 360 365

Ile Ser Ile Asn Met Ser Lys His Thr Thr Phe Phe Gly Ala Ile Arg  
 370 375 380

Leu Gly Glu Ala Pro Ala Ser  
 385 390

<210> 9  
 <211> 391  
 <212> PRT

<213> Mus musculus

<400> 9

Met Gly Tyr Pro Glu Val Glu Arg Arg Glu Pro Leu Pro Ala Ala Ala  
1 5 10 15  
Pro Arg Glu Arg Gly Ser Gln Gly Cys Gly Cys Arg Gly Ala Pro Ala  
20 25 30  
Arg Ala Gly Glu Gly Asn Ser Cys Arg Leu Phe Leu Gly Phe Phe Gly  
35 40 45  
Leu Ser Leu Ala Leu His Leu Leu Thr Leu Cys Cys Tyr Leu Glu Leu  
50 55 60  
Arg Ser Glu Leu Arg Arg Glu Arg Gly Thr Glu Ser Arg Leu Gly Gly  
65 70 75 80  
Pro Gly Ala Pro Gly Thr Ser Gly Thr Leu Ser Ser Pro Gly Ser Leu  
85 90 95  
Asp Pro Val Gly Pro Ile Thr Arg His Leu Gly Gln Pro Ser Phe Gln  
100 105 110  
Gln Gln Pro Leu Glu Pro Gly Glu Asp Pro Leu Pro Pro Asp Ser Gln  
115 120 125  
Asp Arg His Gln Met Ala Leu Leu Asn Phe Phe Phe Pro Asp Glu Lys  
130 135 140  
Ala Tyr Ser Glu Glu Glu Ser Arg Arg Val Arg Arg Asn Lys Arg Ser  
145 150 155 160  
Lys Ser Gly Glu Gly Ala Asp Gly Pro Val Lys Asn Lys Lys Lys Gly  
165 170 175  
Lys Lys Ala Gly Pro Pro Gly Pro Asn Gly Pro Pro Gly Pro Pro Gly  
180 185 190  
Pro Pro Gly Pro Gln Gly Pro Pro Gly Ile Pro Gly Ile Pro Gly Ile  
195 200 205  
Pro Gly Thr Thr Val Met Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly  
210 215 220  
Pro Gln Gly Pro Pro Gly Leu Gln Gly Pro Ser Gly Ala Ala Asp Lys  
225 230 235 240  
Thr Gly Thr Arg Glu Asn Gln Pro Ala Val Val His Leu Gln Gly Gln  
245 250 255  
Gly Ser Ala Ile Gln Val Lys Asn Asp Leu Ser Gly Gly Val Leu Asn  
260 265 270  
Asp Trp Ser Arg Ile Thr Met Asn Pro Lys Val Phe Lys Leu His Pro  
275 280 285

Arg Ser Gly Glu Leu Glu Val Leu Val Asp Gly Thr Tyr Phe Ile Tyr  
 290 295 300

Ser Gln Val Glu Val Tyr Tyr Ile Asn Phe Thr Asp Phe Ala Ser Tyr  
 305 310 315 320

Glu Val Val Val Asp Glu Lys Pro Phe Leu Gln Cys Thr Arg Ser Ile  
 325 330 335

Glu Thr Gly Lys Thr Asn Tyr Asn Thr Cys Tyr Thr Ala Gly Val Cys  
 340 345 350

Leu Leu Lys Ala Arg Gln Lys Ile Ala Val Lys Met Val His Ala Asp  
 355 360 365

Ile Ser Ile Asn Met Ser Lys His Thr Thr Phe Phe Gly Ala Ile Arg  
 370 375 380

Leu Gly Glu Ala Pro Ala Ser  
 385 390

<210> 10  
 <211> 423  
 <212> DNA  
 <213> Drosophila melanogaster

<400> 10  
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 aaagaaattg atcagaggaa tatgaaaata atcgaatcga gacggcacgt ctaaaagggtt 120  
 gatgtacaat attgtaacat tcagtgcata gcgacatcca gtgcagcaag taaattaagc 180  
 gaacaagatg gattccaaag tgggtgcaga tcctagttcg gcctacgaca aggaaatcgg 240  
 caacaatcta aacaacgatg attcctcatt tctgggcaac ataatccgcg aaatcctgta 300  
 cagtccaatg aacctggccc tcctggccat catctgcttc ctggtctata aaatcgttcg 360  
 ggatcgcacc gaagtgccat ccgtgggcgt tgcaaagcca tccgaacctg agttacccaa 420  
 aat 423

<210> 11  
 <211> 24  
 <212> DNA  
 <213> Drosophila melanogaster

<400> 11  
 accagaacgg atttatcgtc tttc 24

<210> 12  
 <211> 18  
 <212> DNA

<213> Drosophila melanogaster

<400> 12

gttggtgggc accgtggt

18

<210> 13

<211> 19

<212> DNA

<213> Drosophila melanogaster

<400> 13

gaccatccgc ccagcatatc

19

<210> 14

<211> 19

<212> DNA

<213> Drosophila melanogaster

<400> 14

actggtggcg gatgaagtg

19

<210> 15

<211> 193

<212> PRT

<213> Drosophila melanogaster

<400> 15

Met Pro Glu Glu Gly Ser Gly Cys Ser Val Arg Arg Arg Pro Tyr Gly  
1 5 10 15

Cys Val Leu Arg Ala Ala Leu Val Pro Leu Val Ala Gly Leu Val Ile  
20 25 30

Cys Leu Val Val Cys Ile Gln Arg Phe Ala Gln Ala Gln Gln Gln Leu  
35 40 45

Pro Leu Glu Ser Leu Gly Trp Asp Val Ala Glu Leu Gln Leu Asn His  
50 55 60

Thr Gly Pro Gln Gln Asp Pro Arg Leu Tyr Trp Gln Gly Gly Pro Ala  
65 70 75 80

Leu Gly Arg Ser Phe Leu His Gly Pro Glu Leu Asp Lys Gly Gln Leu  
85 90 95

Arg Ile His Arg Asp Gly Ile Tyr Met Val His Ile Gln Val Thr Leu  
100 105 110

Ala Ile Cys Ser Ser Thr Thr Ala Ser Arg His His Pro Thr Thr Leu  
115 120 125

Ala Val Gly Ile Cys Ser Pro Ala Ser Arg Ser Ile Ser Leu Leu Arg  
130 135 140

Leu Ser Phe His Gln Gly Cys Thr Ile Val Ser Gln Arg Leu Thr Pro  
145 150 155 160

Leu Ala Arg Gly Asp Thr Leu Cys Thr Asn Leu Thr Gly Thr Leu Leu  
165 170 175

Pro Ser Arg Asn Thr Asp Glu Thr Phe Phe Gly Val Gln Trp Val Arg  
180 185 190

Pro

<210> 16

<211> 234

<212> PRT

<213> Drosophila melanogaster

<400> 16

Met Asp Pro Gly Leu Gln Gln Ala Leu Asn Gly Met Ala Pro Pro Gly  
1 5 10 15

Asp Thr Ala Met His Val Pro Ala Gly Ser Val Ala Ser His Leu Gly  
20 25 30

Thr Thr Ser Arg Ser Tyr Phe Tyr Leu Thr Thr Ala Thr Leu Ala Leu  
35 40 45

Cys Leu Val Phe Thr Val Ala Thr Ile Met Val Leu Val Val Gln Arg  
50 55 60

Thr Asp Ser Ile Pro Asn Ser Pro Asp Asn Val Pro Leu Lys Gly Gly  
65 70 75 80

Asn Cys Ser Glu Asp Leu Leu Cys Ile Leu Lys Arg Ala Pro Phe Lys  
85 90 95

Lys Ser Trp Ala Tyr Leu Gln Val Ala Lys His Leu Asn Lys Thr Lys  
100 105 110

Leu Ser Trp Asn Lys Asp Gly Ile Leu His Gly Val Arg Tyr Gln Asp  
115 120 125

Gly Asn Leu Val Ile Gln Phe Pro Gly Leu Tyr Phe Ile Ile Cys Gln  
130 135 140

Leu Gln Phe Leu Val Gln Cys Pro Asn Asn Ser Val Asp Leu Lys Leu  
145 150 155 160

Glu Leu Leu Ile Asn Lys His Ile Lys Lys Gln Ala Leu Val Thr Val  
165 170 175

Cys Glu Ser Gly Met Gln Thr Lys His Val Tyr Gln Asn Leu Ser Gln  
180 185 190

Phe Leu Leu Asp Tyr Leu Gln Val Asn Thr Thr Ile Ser Val Asn Val

195

200

205

Asp Thr Phe Gln Tyr Ile Asp Thr Ser Thr Phe Pro Leu Glu Asn Val  
 210 215 220

Leu Ser Ile Phe Leu Tyr Ser Asn Ser Asp  
 225 230

&lt;210&gt; 17

&lt;211&gt; 281

&lt;212&gt; PRT

&lt;213&gt; Drosophila melanogaster

&lt;400&gt; 17

Met Ala Met Met Glu Val Gln Gly Gly Pro Ser Leu Gly Gln Thr Cys  
 1 5 10 15

Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala  
 20 25 30

Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys  
 35 40 45

Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr  
 50 55 60

Trp Asp Pro Asn Asp Glu Glu Ser Met Asn Ser Pro Cys Trp Gln Val  
 65 70 75 80

Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser  
 85 90 95

Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro  
 100 105 110

Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly  
 115 120 125

Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu  
 130 135 140

Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly  
 145 150 155 160

His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile  
 165 170 175

His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe  
 180 185 190

Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln  
 195 200 205

Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys  
 210 215 220

Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr  
225 230 235 240

Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile  
245 250 255

Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala  
260 265 270

Ser Phe Phe Gly Ala Phe Leu Val Gly  
275 280

<210> 18  
<211> 16  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 18

Leu Thr Val Thr Asn Ala Gly Leu Tyr Tyr Val Tyr Ala Gln Ile Trp  
1 5 10 15

<210> 19  
<211> 17  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 19

Leu Thr Val Thr Asn Thr Gly Leu Tyr Tyr Val Tyr Ala Gln Ile Cys  
1 5 10 15

Tyr

<210> 20  
<211> 17  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 20

Leu Thr Val Thr Asn Thr Gly Leu Tyr Tyr Val Tyr Ala Gln Ile Cys  
1 5 10 15

Tyr

<210> 21  
<211> 36  
<212> DNA  
<213> Drosophila melanogaster

<400> 21  
cggaagatc taacgcgtgt atcgcatctg gacaag

36

<210> 22  
<211> 30  
<212> DNA  
<213> Drosophila melanogaster

<400> 22  
gcctctagaa atttacacct tgaagatgcc 30

<210> 23  
<211> 38  
<212> DNA  
<213> Drosophila melanogaster

<400> 23  
gcagcagcgg ccgcattctc gcactaacga tctggcag 38

<210> 24  
<211> 35  
<212> DNA  
<213> Drosophila melanogaster

<400> 24  
gcagcagtcg accaccttga agatgccaaa gtagc 35

<210> 25  
<211> 38  
<212> DNA  
<213> Drosophila melanogaster

<400> 25  
gcagcagcgg ccgcattgact gccgagaccc tcaagccg 38

<210> 26  
<211> 36  
<212> DNA  
<213> Drosophila melanogaster

<400> 26  
gcagcagtcg actacgccat cgcgcgtttg aaagtg 36

<210> 27  
<211> 38  
<212> DNA  
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<400> 27  
gcagcagcgg ccgcattctc gcactaacga tctggcag 38

<210> 28  
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<213> Drosophila melanogaster  
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 gcagcagtcg accaccttga agatgccaaa gtagc 35

<210> 29  
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 <212> DNA  
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<400> 29  
 gcagcagcgg ccgcatgact gccgagaccc tcaagccg 38

<210> 30  
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 <212> DNA  
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<400> 30  
 gcagcagtcg acgacgccat cgcgcgtttg aaagtg 36

<210> 31  
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<400> 31  
 gcagcagcgg ccgcattctc gcactaacga tctggcag 38

<210> 32  
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<400> 32  
 gcagcagtcg accaccttga agatgccaaa gtagc 35

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<400> 33  
 gcagcagcgg ccgcatgact gccgagaccc tcaagccg 38

<210> 34  
 <211> 37  
 <212> DNA  
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<400> 34

gcagcagtcg accaagacgc catcgcggt ttgaaag

37

<210> 35  
<211> 14  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 35

Gln Asn Ile Gln Gly Asn His Thr Glu Leu Gln Glu Lys Ser  
1 5 10

<210> 36  
<211> 14  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 36

Leu Arg Glu Gly Asn Asn Arg Ser Tyr Phe Gly Ile Phe Lys  
1 5 10

<210> 37  
<211> 12  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 37

Met Thr Ala Glu Thr Leu Lys Pro Phe Ile Thr Pro  
1 5 10

<210> 38  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 38

Leu Thr Ile Trp Gln Thr Thr Arg Val Ser His Leu Asp  
1 5 10

<210> 39  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster  
  
<400> 39

Asp Lys Glu Leu Lys Ser Leu Lys Arg Val Val Asp Asn  
1 5 10

<210> 40  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 40

Ala His Phe His Leu Ser Ser Arg Arg Arg His Gln Glu  
1 5 10

<210> 41

<211> 13

<212> PRT

<213> Drosophila melanogaster

<400> 41

His Phe His Leu Ser Ser Arg Arg Arg His Gln Glu Ser  
1 5 10

<210> 42

<211> 20

<212> PRT

<213> Drosophila melanogaster

<400> 42

His Leu Ser Ser Arg Arg Arg His Gln Glu Ser Met Gly Tyr His Gly  
1 5 10 15

Asp Met Tyr Tyr  
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<210> 43

<211> 18

<212> PRT

<213> Drosophila melanogaster

<400> 43

Leu Ser Ser Arg Arg Arg His Gln Glu Ser Met Gly Tyr His Gly Asp  
1 5 10 15

Met Tyr

<210> 44

<211> 14

<212> PRT

<213> Drosophila melanogaster

<400> 44

Gln Asn Ile Gln Gly Asn His Thr Glu Leu Gln Glu Lys Ser  
1 5 10

<210> 45

<211> 14

<212> PRT

<213> Drosophila melanogaster

<400> 45

Ala Gln Ile Cys Tyr Asn Asn Ser His Asp Gln Asn Gly Phe  
1 5 10

<210> 46

<211> 14

<212> PRT

<213> Drosophila melanogaster

<400> 46

Leu Arg Glu Gly Asn Asn Arg Ser Tyr Phe Gly Ile Phe Lys  
1 5 10

<210> 47

<211> 12

<212> PRT

<213> Drosophila melanogaster

<400> 47

Met Thr Ala Glu Thr Leu Lys Pro Phe Ile Thr Pro  
1 5 10

<210> 48

<211> 13

<212> PRT

<213> Drosophila melanogaster

<400> 48

Leu Thr Ile Trp Gln Thr Thr Arg Val Ser His Leu Asp  
1 5 10

<210> 49

<211> 13

<212> PRT

<213> Drosophila melanogaster

<400> 49

Asp Lys Glu Leu Lys Ser Leu Lys Arg Val Val Asp Asn  
1 5 10

<210> 50

<211> 13

<212> PRT

<213> Drosophila melanogaster

<400> 50

Ser Ser Asn Glu Ala Thr Ser Lys Glu Arg Met His Ser  
1 5 10

<210> 51

<211> 13

<212> PRT  
<213> Drosophila melanogaster

<400> 51

Gly Glu Ser Leu Leu Ser Ala Arg Ser Glu Asp Ser Arg  
1 5 10

<210> 52  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 52

Ala His Phe His Leu Ser Ser Arg Arg Arg His Gln Gly  
1 5 10

<210> 53  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 53

His Phe His Leu Ser Ser Arg Arg Arg His Gln Gly Ser  
1 5 10

<210> 54  
<211> 27  
<212> PRT  
<213> Drosophila melanogaster

<400> 54

Thr Arg Asp Gly Val Leu Thr Val Thr Asn Thr Gly Leu Tyr Tyr Val  
1 5 10 15

Tyr Ala Gln Ile Cys Tyr Asn Asn Ser His Asp  
20 25

<210> 55  
<211> 14  
<212> PRT  
<213> Drosophila melanogaster

<400> 55

Gln Asn Ile Gln Gly Asn His Thr Glu Leu Gln Glu Lys Ser  
1 5 10

<210> 56  
<211> 14  
<212> PRT  
<213> Drosophila melanogaster

<400> 56

Ala Gln Ile Cys Tyr Asn Asn Ser His Asp Gln Asn Gly Phe  
1 5 10

<210> 57  
<211> 14  
<212> PRT  
<213> Drosophila melanogaster

<400> 57

Leu Arg Glu Gly Asn Asn Arg Ser Tyr Phe Gly Ile Phe Lys  
1 5 10

<210> 58  
<211> 12  
<212> PRT  
<213> Drosophila melanogaster

<400> 58

Met Thr Ala Glu Thr Leu Lys Pro Phe Ile Thr Pro  
1 5 10

<210> 59  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 59

Leu Thr Ile Trp Gln Thr Thr Arg Val Ser His Leu Asp  
1 5 10

<210> 60  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 60

Asp Lys Glu Leu Lys Ser Leu Lys Arg Val Val Asp Asn  
1 5 10

<210> 61  
<211> 13  
<212> PRT  
<213> Drosophila melanogaster

<400> 61

Ser Ser Asn Glu Ala Thr Ser Lys Glu Ser Pro Ala Pro  
1 5 10

<210> 62  
<211> 13  
<212> PRT

<213> Drosophila melanogaster

<400> 62

Ala His Phe His Leu Ser Ser Arg Arg Arg His Gln Gly  
1 5 10

<210> 63

<211> 13

<212> PRT

<213> Drosophila melanogaster

<400> 63

His Phe His Leu Ser Ser Arg Arg Arg His Gln Gly Ser  
1 5 10

<210> 64

<211> 27

<212> PRT

<213> Drosophila melanogaster

<400> 64

Thr Arg Asp Gly Val Leu Thr Val Thr Asn Thr Gly Leu Tyr Tyr Val  
1 5 10 15

Tyr Ala Gln Ile Cys Tyr Asn Asn Ser His Asp  
20 25

<210> 65

<211> 8

<212> PRT

<213> bacteriophage T7

<400> 65

Asp Tyr Lys Asp Asp Asp Asp Lys  
1 5